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(21) International Application Number: PCT/US99/24511 (22) International Filing Date: 19 October 1999 (19.10.99) (30) Priority Data: 60/172,216 20 October 1998 (20.10.98) US 60/118,559 4 February 1999 (04.02.99) US 60/172,229 11 February 1999 (11.02.99) US 60/154,336 22 April 1999 (22.04.99) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications US 60/172,216 (CIP) Filed on 20 October 1998 (20.10.98) US 60/118,559 (CIP) Filed on 4 February 1999 (04.02.99) US 60/172,229 (CIP) Filed on 11 February 1999 (11.02.99) US 60/154,336 (CIP) Filed on 22 April 1999 (22.04.99) (71) Applicant (for all designated States except US): INCYTE PHARMACEUTICALS, INC. [US/US]; 3174 Porter Drive, Palo Alto, CA 94304 (US).		(72) Inventors; and (75) Inventors/Applicants (for US only): TANG, Y., Tom [CN/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). YUE, Henry [US/US]; 826 Lois Avenue, Sunnyvale, CA 94087 (US). HILLMAN, Jennifer, L. [US/US]; 230 Monroe Drive, #12, Mountain View, CA 94040 (US). GUEGLER, Karl, J. [CH/US]; 1048 Oakland Avenue, Menlo Park, CA 94025 (US). CORLEY, Neil, C. [US/US]; 1240 Dale Avenue, #30, Mountain View, CA 94040 (US). LAL, Preeti [IN/US]; 2382 Lass Drive, Santa Clara, CA 95054 (US). AZIMZAI, Yalda [US/US]; 2045 Rock Springs Drive, Hayward, CA 94545 (US). BAUGHN, Mariah, R. [US/US]; 14244 Santiago Road, San Leandro, CA 94577 (US). YANG, Junming [CN/US]; 7136 Clarendon Street, San Jose, CA 95129 (US). SHIH, Leo, L. [US/US]; Apartment B, 1081 Tanland Drive, Palo Alto, CA 94304 (US). (74) Agents: BILLINGS, Lucy, J. et al.; Incyte Pharmaceuticals, Inc., 3174 Porter Drive, Palo Alto, CA 94304 (US). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. (88) Date of publication of the international search report: 28 September 2000 (28.09.00)	

(54) Title: PROLIFERATION AND APOPTOSIS RELATED PROTEINS

1 MSRTMARTRPGQLG--RVTGAGGWGSAAVC 1342011
1 MATPVPPPSPRHLRLRLRLLSG-----LI GI452276
29 RGRALRGREPALPSASFDDVAACPGSLDCA 1342011
25 LGALALNG-----ATAARRPDATTCPGSLDCA GI452276
59 LKRRARCPPGAHACGPCLOPFQEDQGLCV 1342011
50 LKRRARKCPGAHACGPCLOSFQEDQGRGFCV GI452276
89 FRMRPPPGGGRPPQPRLEDEIDFLAQELA-- 1342011
80 PRKHLSSGELGLPOPRLLEEIDSLAQELALK GI452276
117 RKESGHS--TPPLPKDRQRLPEPA-TLGF 1342011
110 EKEAGHSRLTAQLPLLERAQKLLPEPATLGF GI452276
143 SARGQGLELEGLPSTPGTPTPTPHTSLGSPV 1342011
140 SQWGORLEPLGLPSTHGTSSTPTPHTSLSSRA GI452276
173 SSDPVHMSPLFPRGGQGDGLALVLI LAF CV 1342011
170 SSGPVQMSPLFPRGGRHGNGLTLVLI LAF CL GI452276

(57) Abstract

The invention provides human proliferation and apoptosis related proteins (PROAP) and polynucleotides which identify and encode PROAP. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with expression of PROAP.